

Notice of Allowability

Application No.

09/976,834

Examiner

Jefferey F. Harold

Applicant(s)

SWERUP ET AL.

Art Unit

2646

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 10/26/05.
2. ☒ The allowed claim(s) is/are 1-30.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Allowable Subject Matter

1. **Claims 1-30** are allowed.
2. The following is an examiner's statement of reasons for allowance:

Regarding **claim 1**, the prior art of record discloses detecting whether the cover lid is in a first position or a second position; however, the prior art of record failed to disclose or fairly suggest assigning active functions to be represented by the keys when the lid is in the first or second position, wherein the first set of active functions and the second set of active functions are stored in a key table within the memory.

Regarding **claim 10**, the prior art of record discloses a mobile communication device having a keypad and keys mounted on a cover lid, comprising: a detector unit capable of detecting a movement of the cover lid from a first position to a second position; however, the prior art of record failed to disclose or fairly suggest a memory unit configured to store a first set of active functions and a second set of active functions to be represented by the keys in a key table; and a control unit connected to the memory unit and the detector unit, the control unit configured to assign the first set of active functions to the keys when the cover lid is detected in the first position, and to assign the second set of active functions to the keys when the cover lid is detected in the second position.

Regarding **claim 19**, the prior art of record discloses a keypad for a mobile communication device, comprising a plurality of mechanical keys, however, the prior art of record failed to disclose or fairly suggest wherein the keys perform a first set of active

Art Unit: 2646

functions and a second set of active functions and a control unit connected to the memory unit configured to assign the first set of active functions to the plurality of keys when the predetermined event has occurred and to assign the second set of active functions when the predetermined event has occurred.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Citation of Pertinent Art

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Uusimäki, (United States Patent 6,571,086) discloses a wireless communication device and a control means.

Tyneski et al. (United States Patent 5,584,054) discloses a communication device having a movable front cover for exposing a touch sensitive display.

Kiim (United States Patent 6,704,417) discloses a personal digital assistant/telephone communication device.

Kfoury (United States Patent 6,549,789) discloses a portable electronic device with an adaptive user interface.

Riddiford (United States Patent 6,587,675) discloses a hand-held computer and communications apparatus.

Art Unit: 2646

Nieminen (United States Patent 6,526,296) discloses an electronic device and a control means.

Kupiainen (United States Patent 6,798,882) discloses a mobile station.

Boesen (United States Patent 6,542,721) discloses cellular telephone, personal digital assistant and pager unit.

Soini et al. (United States Patent 6,445,932) discloses a multi-service mobile station.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jefferey F. Harold whose telephone number is 571-272-7519. The examiner can normally be reached on Monday - Friday 9 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh H. Tran can be reached on 571-272-7564. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



JFH
January 6, 2006



Jefferey F Harold
Primary Examiner
Art Unit 2646